

Ability Based Outcomes - Doctor of Pharmacy Program
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The purpose of this document is to define a set of concise program level outcomes for students completing the Doctor of Pharmacy program at Wayne State University. The outcomes outlined in this document are ability based outcomes (ABOs). ABOs define what students will be able to do as a result of completing the Doctor of Pharmacy program at Wayne State University. ABOs do not define the knowledge skills and attitudes which enable students to meet the outcomes. They define what graduates can do as a result of knowledge, skills and attitudes gained through completing the entire curriculum.

The ABOs will be used in conjunction with other content area measures for curricular design and assessment. A curricular map will be developed which defines the relationship between individual courses and the ABOs.

Upon completion of the doctor of pharmacy program, the student will be able to:

1. Provide patient care in cooperation with patients, patients' agents, prescribers, and other members of an interprofessional health care team.
 - 1.1 Gather, generate, and organize relevant patient or population specific data.
 - 1.2 Interpret relevant patient or population specific data.
 - 1.3 Identify pharmacotherapy problems
 - 1.4 Work effectively as a member of an interprofessional team.
 - 1.5 Develop a therapeutic plan, utilizing a comprehensive knowledge of the biomedical and pharmaceutical sciences, evidence based literature, emerging technologies, and evolving changes in the health sciences.
 - 1.6 Incorporate the potential effects of the patient's health literacy, psychosocial, economic, and cultural background into the therapeutic plan.
 - 1.7 Identify therapeutic outcomes.
 - 1.8 Implement the pharmacotherapeutic plan.
 - 1.9 Monitor outcomes and modify therapeutic plan as needed.
 - 1.10 Document pharmaceutical care activities and associated outcomes.
 - 1.11 Deliver comprehensive pharmaceutical care in a legal and ethical manner.
 - 1.12 Ensure the safe and accurate distribution of medications.

- 1.13 Demonstrate professional skills, attitudes, and values and a sense of personal responsibility to patients, patients' agents, and other health care providers.
 - 1.14 Manage a successful patient-centered practice (including being compensated for services and providing medication therapy management).
 - 1.15 Utilize informatics, epidemiologic and pharmacoeconomic data, medication-use criteria, medication use review and risk reduction strategies to develop disease prevention and management programs in order to provide patient and population based care.
 - 1.16 Retrieve, analyze and interpret scientific literature to disseminate drug information to patients, patients' agents, health care professionals, administrators, policy makers, payers, and the public.
 - 1.17 Communicate effectively and persuasively with patients, patients' agents, health care professionals, administrators, policy makers, payers and the public.
2. Manage and use resources of the health care system.
 - 2.1 Effectively supervise pharmacy personnel.
 - 2.2 Promote efficient and cost-effective utilization of physical, medical, informational, and technological resources.
 - 2.3 Perform responsibilities in accordance with legal, ethical, social and professional principles.
 - 2.4 Incorporate the resources available from regional and national pharmacy and medical organizations into system improvement plans.
 - 2.5 Assume responsibility for all aspects of medication distribution process.
 - 2.6 Provide, assess and coordinate accurate, time sensitive medication distribution.
 - 2.7 Incorporate emerging technologies into the medication use system.
 - 2.8 Prepare and be able to oversee the preparation of extemporaneous and parenteral products.
 - 2.9 Ensure the integrity of drug products.
 - 2.10 Utilize data from quality improvement strategies to optimize patient outcomes.
 - 2.11 Participate in medication safety and error reduction programs to minimize medication misadventures.
 - 2.12 Interpret and apply drug use policy, health policy, and pharmacy benefit plans and provide feedback to health care benefit programs as appropriate.
 - 2.13 Communicate and collaborate effectively with patients and other health care professionals.
3. Promote health improvement, wellness, and disease prevention.

- 3.1 Promote the availability of effective health and disease prevention services in a legal and ethical manner.
 - 3.2 Apply population specific data, quality assurance strategies, informatics and research processes to identify and resolve public health problems.
 - 3.3 Communicate and collaborate with health care personnel, policy makers, payers, community members, and at risk populations to identify and resolve public health problems, including health disparities.
 - 3.4 Apply population specific data, quality assurance strategies, and research processes to develop pharmacy related health policy.
4. Demonstrate commitment to a high professional standard.
 - 4.1 Maintain professional competence by identifying and analyzing emerging issues, products, and services.
 - 4.2 Possess the skills and attitudes required to be a motivated, self-directed, independent, life-long learner.
 - 4.3 Be an advocate for the patient, profession and quality health care.
 - 4.4 Recognize and solve complex problems related to all elements of the profession.
 - 4.5 Recognize, initiate and advocate change in the profession of pharmacy that improves patient care.